

S99 96 ((successive\$4 sequential\$4) near2 ((subtract\$7 cancel\$8) near2 (background nois\$3 environment\$4 interfer\$8))) and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) not (S93 S94) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/25 09:37 BRS

S92 150 ((successive\$4 sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near2 (subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8)) and ((indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (beam highest loudest most noisest)) and ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/25 10:25 BRS

S100 79 ((successive\$4 sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near2 (subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8)) and ((indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (beam highest loudest noisest major dominant)) and ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) not (S93 S94) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/25 10:38 BRS

S102 96 S101 not (S93 S94) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/25 10:38 BRS

S109 114 ((successive\$4 sequential\$4 non-simultane\$7 nonsimultane\$7) (loudest noisest dominant)) and (381/93 381/66 381/94.1 381/94.7 381/97.1 381/91.4 381/97.4 381/71.11 381/71.12)cor. US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB BRS 2006/01/25 11:05

January 25, 2006
BRS search

S74 107 (sequential\$4 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near2 ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and (source\$1 speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 09:07 BRS

S80 8 (indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (beam highest loudest most noisest) with ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)).ti,ab. and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 09:17 BRS

S83 47 (indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (highest loudest noisest) same ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 09:46 BRS

S86 13 (indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (highest loudest noisest) same ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and (speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6).ti,ab. US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 09:49 BRS

S88 10 (indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (highest loudest noisest) same ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) same (speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 09:54 BRS

S81 100 (indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (beam highest loudest most noisest) with ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/25 07:54 BRS

S90 72 ((sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near2 (subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8)) and ((indicat\$7 flag\$7 mark\$7 choos\$4 select\$7 determin\$7 recogni\$7) near2 (beam highest loudest most noisest)) and ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and ("704"/\$.ccls. speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/25 08:05 BRS

S53 119 (sequential\$4 serial\$5 tandem\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7 nonparallel\$4 non-parallel\$4 multi-pass\$4 multipass\$4) and (S37 S39 S40) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/23 11:05 BRS

S52 29 (speech "704"/\$.cls.) and ((sequential\$4 serial\$5 tandem\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7 nonparallel\$4 non-parallel\$4 multi-pass\$4 multipass\$4) near8 ((cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and (ica! or bss! or ((sep\$1rate\$8 or sep\$1rati\$8 or un-mix\$4 or umix\$4 or decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (source\$1 signal\$1 speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6)) or (diagonal\$8 near2 (decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8)))) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/23 11:55 BRS

S58 56 gerlach-k\$.in. and filter\$4 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 07:27 BRS

S55 59 (sequential\$4 serial\$5 tandem\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7 nonparallel\$4 non-parallel\$4 multi-pass\$4 multipass\$4) near2 ((cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and (ica! or bss! or ((sep\$1rate\$8 or sep\$1rati\$8 or un-mix\$4 or umix\$4 or decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (source\$1 signal\$1 speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6)) or (diagonal\$8 near2 (decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8))) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 08:19 BRS

S63 92 (sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near2 ((cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and (speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 08:30 BRS

S67 51 (sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7).ti,ab. near2 ((cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) and (source\$1 signal\$1 speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 08:36 BRS

S72 12 "704"/\$.cls. and (sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near4 ((subtract\$7 cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near4 (background nois\$3 environment\$4 interfer\$8)) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 08:42 BRS

S68 106 (sequential\$4 serial\$5 one adj2 other non-current\$4 noncurrent\$4 non-simulatane\$7 nonsimultane\$7) near2 ((cancel\$8 or attenuat\$8 or reduce\$8 or reduci\$8 or reduct\$8 or less\$8 decorrelat\$8 or de-correlat\$8 or deconvol\$8 or de-convol\$8) near2 (background nois\$3 environment\$4 interfer\$8)) with (source\$1 signal\$1 speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articulat\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB 2006/01/24 08:44 BRS

(((successive* or sequential* or serial* or non-current* or noncurrent* or non-simultane* or nonsimultane*) <near/2> (subtract* or cancel* or attenuat* or reduce* or reduci* or reduct*)) or ((indicat* or flag* or mark* or choos* or select* or determin* or recogni*) <near/2> (beam or highest or loudest or noisest or dominant))) and ((subtract* or cancel* or attenuat* or reduce* or reduci* or reduct*) <near/2> (background or nois* or environment* or interfer*)) and (speech* or speak* or voic* or audio* or acoustic* or talk* or spoken or locut* or vocal* or sing or singi* or articulat* or sonic or sound or verbal* or oral* or dictat* or dialog* or discours* or conversation*))

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